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PTO/SB/21 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/078,666	
	Filing Date	2/14/2002	
	First Named Inventor	Huy M. Nguyen	
	Group Art Unit	2816	
	Examiner Name	TERRY D CUNNINGHAM	
Total Number of Pages in This Submission	20	Attorney Docket Number	RB1-041US

**ENCLOSURES (check all that apply)**

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><br><input checked="" type="checkbox"/> Amendment / Reply<br><input checked="" type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input checked="" type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Documents<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group ( <i>Appeal Notice, Brief, Reply Brief</i> )<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) ( <i>please identify below:</i><br><i>Second Reply to Final Office Action dated 8/5/04 (16 pages)</i> ) |
|---|--|---|

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual Name	Keith W. Saunders/Reg. No. 41462		
Signature	<i>Keith W. Saunders</i>		
Date	January 5, 2005		

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Cheryl Boies		
Signature	<i>Cheryl Boies</i>	Date	Jan 5, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL  
For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 450.00**Complete if Known**

Application Number	10/076,666
Filing Date	2/14/2002
First Named Inventor	Huy M. Nguyen
Examiner Name	TERRY D CUNNINGHAM
Art Unit	2816
Attorney Docket No.	RB1 -041US

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 12-0769 Deposit Account Name: Lee & Hayes, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEES CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

- 20 or HP = \_\_\_\_\_ x 50 = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

- 3 or HP = \_\_\_\_\_ x 200 = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Extension Fee

**Fee Paid (\$)**

450.00

**SUBMITTED BY**

Signature	<i>Keith W. Saunders</i>	Registration No. 41462 (Attorney/Agent)	Telephone (509) 324-9256
Name (Print/Type)	Keith W. Saunders	Date	1/5/2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JAN 05 2005

Reply under 37 CFR 1.116  
--- Expedited Procedure ---  
Technology Center 2816

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 10/076,666  
Confirmation No. .... 1711  
Filing Date ..... February 14, 2002  
Inventorship ..... Nguyen et al.  
Applicant ..... Rambus Corp.  
Group Art Unit ..... 2816  
Examiner ..... Cunningham, Terry D.  
Attorney's Docket No. .... RB1-0041US

Title: METHOD AND APPARATUS FOR DISTRIBUTED VOLTAGE  
COMPENSATION WITH A VOLTAGE DRIVER THAT IS RESPONSIVE  
TO FEEDBACK

**SECOND REPLY TO****FINAL OFFICE ACTION DATED (MAILED) 08/05/2004****[POST ADVISORY ACTION DATED (MAILED) 11/18/2004]****UNDER 37 C.F.R. §1.116**

To: Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

From: Keith W. Saunders (Tel. 509-324-9256, ext. 238; Fax 509-323-8979)  
Customer No. 49649

### INTRODUCTORY COMMENTS

This Second Reply is responsive to a current and final Office Action (post one RCE) dated (mailed) 08/05/2004.

In the interim, an Advisory Action dated (mailed) 11/18/2004 has also been received. The Advisory Action indicated that a previous Reply that was filed on 11/05/2004 did not place the Application in condition for allowance.

In the current and final Office Action, claims 1-73 were examined. Claims 33-42, 47, and 54 were allowed. Claims 1-32, 43-46, 48-53, and 55-73 were rejected.

It is believed that this Second Reply places the entire Application in condition for allowance.

With this Second Reply, no claims are added, but claims 1-32, 43-46, 48-53, and 55-73 have been canceled. Hence, claims 33-42, 47, and 54 are now pending.